sending each one of said multiple <u>data</u>, said first additional and said second additional files [and] to a separate tone generator[s];

generating a different tone for each one of said multiple <u>data</u>, said first additional and said second additional files, wherein the frequency of each one of said tones are separated from one another by a specified frequency bandwidth;

combining said multiple tones into one multi-tone signal; <u>and</u>

transmitting said multi-tone signal over a communications line.

Please add the following new Claims:

3.   The method according to Claim 1, wherein said multiple data files are compressed.

4.   The method according to Claim 1, wherein said multiple data files are created from bytes of data to be transmitted, each one of said bytes being comprised of eight bits of data, each one of said bits corresponding to a particular position within each one of said bytes, and each one of said data files being comprised of bits from each one of said bytes corresponding to the same particular position.

5.   The method according to Claim 1, wherein said multiple data files are created from bytes of data to be transmitted, wherein each one of said multiple data files is comprised of a separate one of said bytes.

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6. The method according to Claim 1, wherein an error check signal is generated and added to said multiple data files as a first additional file.

7. The method according to Claim 1, wherein a clocking signal is generated and added to said multiple data files as a second additional file.

8. The method according to Claim 1, wherein a timed start/stop and sequence command is added to said multiple data files, said first additional file and said second additional file.

9. The method according to Claim 1, wherein each one of said files comprising said multi-tone signal is comprised of a plurality of bits of data, each one of said bits corresponding to a particular position in said files, and each bit corresponding to the same particular position in each one of said data files being transmitted simultaneously.

10. The method according to Claim 9, wherein the bits of data corresponding to a first position in each one of said files are transmitted first, and the bits of data corresponding to a last position in each one of said data files are transmitted last.

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11. The method according to Claim 1, wherein said method is used to transmit data via a facsimile machine.

12. The method according to Claim 1, wherein said method is used to transmit data via a video phone.

13. The method according to Claim 1, wherein each one of said generated tones are separated from one another by predetermined frequency bandwidths.

14. The method according to Claim 2, wherein said multiple data files are created from bytes of data to be transmitted, each one of said bytes being comprised of eight bits of data, each one of said bits corresponding to a particular position within each one of said bytes, and each one of said data files being comprised of bits from each one of said bytes corresponding to the same particular position.

15. The method according to Claim 2, wherein said multiple data files are created from bytes of data to be transmitted, wherein each one of said multiple data files is comprised of a separate one of said bytes.

16. The method according to Claim 2, wherein a timed start/stop and sequence command is added to said multiple data files, said first additional file and said second additional file.

17. The method according to Claim 2, wherein each one of said files comprising said multi-tone signal is comprised of a plurality of bits of data, each one of said bits corresponding to a particular position in said files, and each bit corresponding to the same particular position in each one of said data files being transmitted simultaneously.

18. The method according to Claim 2, wherein said method is used to transmit data via a facsimile machine.

19. The method according to Claim 2, wherein said method is used to transmit data via a computer.

20. A method for transmitting and receiving multiple data files simultaneously transmitted at multiple frequencies over a communications line at high speed, comprising the steps of:

storing data to be transmitted in a first computer memory;

compressing said stored data;

splitting said data into multiple files, wherein said multiple data files are created from bytes of data to be transmitted, each one of said bytes being

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comprised of eight bits of data, each one of said bits corresponding to a particular position within each one of said bytes, and each one of said data files being comprised of bits from each one of said bytes corresponding to the same particular position;

generating and adding an error check signal to said multiple data files as a first additional file;

generating and adding a clocking signal file to said multiple data files as a second additional file;

generating and adding a timed start/stop and sequence command to at least one of said multiple data files, said first additional file and said second additional file;

sending each one of said multiple data files, said first additional file and said second additional file to at least one tone generator;

generating a different tone for each one of said multiple data files, said first additional file and said second additional file, wherein the frequency of each one of said tones generated are separated from one another by predetermined frequency bandwidths;

combining said multiple tones into one multi-tone signal;

transmitting said multi-tone signal over a communications line, wherein each one of said files comprising said multi-tone signal is comprised of a plurality of bits of data, each one of said bits corresponding to a particular position in said data file, and each bit corresponding to the same particular position in each one of said files being transmitted simultaneously;

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receiving said multi-tone signal;

filtering said signal;

reassembling said received signal; and

storing said reassembled signal in a second computer memory.

Respectfully submitted,

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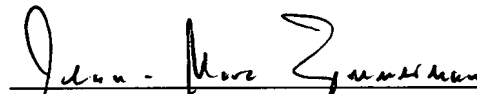
Dated: October 24, 1997
        Westfield, New Jersey

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I hereby certify that the enclosed Second Preliminary Amendment to Non-Provisional Patent Application Serial No. 08/889,776 filed on July 8, 1997 and claiming the benefit of the July 8, 1996 filing date of Provisional Patent Application Serial No. 60/021,345 for an Apparatus and Method for High Speed Data Communication is being sent "Express Mail Post Office Service" under 37 C.F.R. Section 1.10 on the date indicated above and are addressed to the Commissioner of Patents and Trademarks, Washington, D.C. 20231.

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Jean-Marc Zimmerman

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